

STATEMENT AS TO RIGHTS TO INVENTIONS MADE UNDER  
FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT

(61)  
This invention was made with Government support under Grant No.  
CA09215, awarded by the National Institutes of Health. The Government has certain  
rights in this invention.

IN THE CLAIMS:

Please replace claim 37 with the following clean version of the amended  
claim. A marked up copy showing the amendments is provided in the VERSION WITH  
MARKINGS TO SHOW CHANGES MADE, attached hereto.

(62)  
37. (three times amended) A method of inhibiting the pathological  
proliferation of ovarian cancer cells in a patient that has a population of ovarian cancer  
cells comprising cells in which 3q26 is amplified, the method comprising administering a  
therapeutically effective dose of an inhibitor of PI kinase to the patient, wherein the  
inhibitor inhibits PI kinase enzymatic activity.

REMARKS

Claims 37-39 are pending in the application.

Claim 37 has been amended to recite a patient who has a population of  
ovarian cancer cells comprising cells in which 3q36 is amplified. This amendment adds  
no new matter. Support for the amendment can be found, for example, at page 33, lines  
1-3.

For convenience, the rejections are addressed in the order presented in the  
Office Action mailed December 14, 2001.

*The invention*

The current invention relates to the discovery that PI kinase plays a role in  
ovarian cancer proliferation. This association between PI kinase activity and the  
proliferation of ovarian cancer cells was not previously known in the art. As shown in